



Rocky Mountain
Remediation Services, L.L.C
protecting the environment

Rocky Flats Environmental Technology Site
P.O. Box 464
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Phone (303) 966-7000



000101433

1F100

October 29, 1998

98-RF-05376

CORRES CONTROL

LTR NO

98-RF-05376

DIST	LTR	ENC
Bengal P		
Benson C A		
Burdick W J		
Crawford A C		
Cypher N P	X	X
Dunstan L A		
Fiehweg R E		
Findley M		
Guinn L		
Huffman F M		
Hughes F P		
Jenkins K		
Law J E		
Motyl K M		
Primrose A L		
Rukavina F		
Steffen D E		
Wheeler M	X	X

Alan D Rodgers

Division Manager, Waste & Remediation Operations

Kaiser-Hill Company, L L C

Building 130

SUBMITTAL OF THE QUARTERLY WELL STATUS REPORT - MW-175-98

Action None required

A copy of the Well Status Report is attached. This report includes the groundwater monitoring summary table and the Rocky Flats Groundwater Sampling Field Database Spreadsheet for the third quarter of the 1998 Groundwater Monitoring Program. Please transmit this report to Joseph A. Legare, DOE/RFDO.

Please contact John Boylan (extension 5182) or Rob Smith of Water Management and Treatment (extension 7898) if you have any questions.

BOYLAN, J X X
SINGER, S X X

Corres Control	X	✓
RMRS CC	X	X
Traffic		

CLASSIFICATION		
UCNI		
UNCLASSIFIED	X	X
CONFIDENTIAL		
SECRET		

Authorized Classifier
Signature

DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
Exemption # CEX-010-98

Date

IN REPLY TO RFP CC NO

ACTION ITEM STATUS
___ OPEN ___ CLOSED
___ PARTIAL

LTR APPROVALS

Org & Typist Initials

Martin Wheeler

Director

Operations Services Division

JAB slm

Attachments

As stated

cc

T G Hedahl	Kaiser-Hill	Bldg 111
N B Sandlin	Kaiser-Hill	Bldg 850
G H Setlock	Kaiser-Hill	Bldg T130C
D C Shelton	Kaiser-Hill	Bldg 130



ADMIN RECORDS

SW-A-004458

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DOE GROUNDWATER STATUS REPORT THIRD QUARTER 1998

- 1 A total of 371 water level measurements were completed on program wells. Due to concerns of well access and/or condition, three wells were removed from the water level list and replaced with three to which these concerns do not apply.
- 2 A total of 64 wells were sampled, out of a revised 2nd plus 3rd Quarter total of 122 program wells. (See attached table and spreadsheet, the spreadsheet is attached in both hard copy and IBM-format diskette.) Of these 64, 7 were resampled for selected analytes to replace samples whose integrity had been compromised due to laboratory error.
- 3 No wells were abandoned. One surface water (seepage) sampling location was removed from the sampling program; the location was eliminated through the installation of a treatment system.
- 4 The sampling schedule for several wells was revised based on exceedances reported in a previous quarter. Four monitoring wells in the program, which were previously sampled semi-annually, were sampled monthly for three consecutive months.
- 5 Several special, non-programmatic activities were performed. These included installation and characterization sampling of six new wells surrounding the Building 123 foundation, potentiometric surface characterization of the area around Building 123, installation and characterization sampling of 23 new wells in the North Industrial Area plume, continued characterization sampling of selected wells in the area of the Solar Ponds Plume, and collection of 40 gallons of groundwater from an Eastern Boundary well for treatability studies. Due to a shipping company error that delayed delivery of certain samples past their hold times, the six Building 123 wells were resampled for selected analytes.
- 6 Excluding error-caused resampling such as that described above, the total number of program well sampling events for Fiscal Year 1998 was 215.

Total Number of Wells in Monitoring Program*	Number of Wells Sampled*	Number of Wells Added to Sample Program During Quarter*	Number of Wells Removed From Program During Quarter	Number of Wells Yielding Partial Studies	Number of Technically Dry Wells Not Developed	Number of Dry Program Wells	Number of Water Level Measurements Completed**	Number of Damaged Wells	Number of Wells Abandoned During Quarter
122	64	8	1	8	0	3	371	0	0

*Number reflects sampling events, where each sampling event at a well is counted. Number of unique wells is therefore lower, as some wells were sampled more than once in the quarter

**Does not include water levels taken during sampling or for non-programmatic activities

ROCKY FLATS GROUNDWATER SAMPLING FIELD DATABASE														
SPRING SUMMER 1998														
MOST WELLS SAMPLED ON A SEMI-ANNUAL BASIS														
Well ID	Grid	Analyte Code	Northing	Easting	# of Visits	Date Purged	First Date Sampled	Full Suite (Y/N)	Depth To Water	Baseline Depth	Total Depth	Depth Diff	Sample ID#	Comments
00491	N-8	2	748845	2086807	1	7/13/98	NA	N	11 78	21 64	NA		GW05903TE	REPLACED PUMP NO TD
00597	K 12	8	752145	2083307	1	7/28/98	7/28/98	Y	9 91	24 43	24 28		GW05904TE	
00797	L-7	1	747797	2084005	1	7/29/98	7/29/98	Y	17 10	30 42	30 76		GW05905TE	
00997	P-11	3	751561	2088854	3	7/27/98	7/27/98	Y	5 76	10 40	14 29		GW05907TE	
0386	U 10	4	750543	2093778	1	8/25/98	8/25/98	Y	15 41	25 56	NA		GW05913TE	REPLACED PUMP NO TD
0386LR		4				8/25/98	8/25/98	Y					GW05914TE	
03991	P-10	2	750401	2088449	1	8/6/98	8/6/98	Y	32 51	41 75	41 77		GW05915TE	
04591	P-9	2	749286	2088034	1	8/24/98	8/24/98	Y	43 58	48 64	48 58		GW05919TE	
0487	L-7	1	747943	2084887	1	7/29/98	7/29/98	Y	8 69	22 01	22 03		GW05920TE	
05091	P-9	2	749894	2088825	1	8/26/98	8/26/98	Y	38 69	48 22	48 23		GW05922TE	
05091DUP		2				8/26/98	8/26/98	Y					GW05923TE	
05091RS		2				8/26/98	8/26/98	Y					GW05924TE	
05391	P 10	2	750153	2088298	1	7/7/98	7/7/98	Y	31 50	39 51	39 53		GW05925TE	
05691	O-10	2	750053	2087621	1	7/13/98	7/13/98	N	22 35	39 78	NA		GW05926TE	PUMP IN WELL-NO TD
06491	U-11	4	751193	2093867	1	7/20/98	7/20/98	N	11 59	20 29	20 24		GW05928TE	
07391	M-8	2	748548	2085827	4	8/24/98	8/24/98	Y	8 60	15 58	15 55		GW05929TE	
10194	P 9	2	749121	2088284	1	7/20/98	7/20/98	N	35 39	54 20	44 86		GW05931TE	
10294	U-2	4	742319	2093691	1	7/27/98	7/27/98	Y	3 20	17 00	NA		GW05932TE	PUMP IN WELL NO TD
10294LR		4				7/27/98	7/27/98	Y					GW05933TE	
10394-JULY	U-4	4	744947	2093664	1	7/27/98	7/27/98	Y					GW05934TE	
10394-AUG	U-4	4	744947	2093664	1	8/25/98	8/25/98	N	8 77		12 69		GW06054TE	PUMP TOO SHALLOW; BAILED
10692	K-7	1	747745	2083638	2	7/15/98	7/15/98	Y	4 39	23 70	23 69		GW05936TE	
10992	L 7	1	747775	2084780	2	7/18/98	7/18/98	Y	22 31	33 67	33 61		GW05938TE	
10994	K-7	6	747431	2083266	2	7/14/98	7/14/98	Y	15 84	21 70	21 84		GW05939TE	
12691	O-9	2	749952	2087419	1	8/5/98	8/5/98	Y	28 11	67 23	67 19		GW05947TE	
1386-JULY	N-11	5	751857	2086051	3	7/14/98	7/14/98	N	6 39		12 02		GW06041TE	
1386-AUG	N 11	5	751857	2086051	3	8/18/98	8/18/98	N	6 29		12 02		GW06052TE	
22596	J-10	7	751268	2082750	1	9/1/98	9/1/98	Y	NA	27 00	NA		GW05953TE	WATER BELOW PUMP

ROCKY FLATS GROUNDWATER SAMPLING FIELD DATABASE														
SPRING - SUMMER 1998														
MOST WELLS SAMPLED ON A SEMI-ANNUAL BASIS														
Well ID	Grid	Analysis Code	Northing	Easting	# of Visits	Date Pumped	First Date Sampled	Full Suite (Y/N)	Depth To Water	Baseline Depth	Total Depth	Depth Dir	Sample ID#	Comments
22696	K-11	7	750747	2083516	1	8/31/98	8/31/98	Y	16 26	19 50	21 71		GW05954TE	
22896	K 10	7	750369	2083393	1	9/1/98	9/1/98	Y	20 90	26 20	NA		GW05956TE	PUMP IN WELL-NO TD
22996	L 9	3	749188	2084557	1	8/26/98	8/26/98	Y	NA	11 50	NA		GW05957TE	WATER BELOW PUMP
23096	N 7	2	747836	2086086	1	8/17/98	8/17/98	Y	12 52	16 00	17 73		GW05958TE	
23296	O-10	2	750683	2087624	1	8/31/98	8/31/98	Y	5 65	10 00	NA		GW05960TE	PUMP IN WELL-NO TD
38591	L 7	1	747408	2084659	2	8/18/98	NA	N	10 01	11 84	11 83		GW05968TE	DRY 7/20, DRY 8/18
4087 Q2	L 13	8	753143	2084823	3	8/25/98	8/25/98	Y	7 82		8 40		GW06042TE	
41591	U-8	4	748800	2093914	1	8/27/98	8/27/98	Y	9 45	15 56	NA		GW05970TE	REPLACED PUMP NO TD
41591LR		4				8/27/98	8/27/98	Y					GW05971TE	
41691	U 13	4	753470	2093851	1	7/30/98	7/30/98	Y	10 42	19 44	NA		GW05972TE	PUMP IN WELL-NO TD
43392	I-8	7	748034	2081537	2	7/22/98	7/22/98	N	28 98	35 38	35 43		GW05973TE	
4787	L 7	1	747779	2084903	2	9/22/98	NA	N		9 80			GW06080TE	DRY 8/18, DRY 9/22
4887	L-7	1	747829	2084691	1	8/17/98	8/17/98	N	11 51	12 37	12 21		GW05975TE	WELL KINKED
52894 Q2	M-13	8	753222	2085099	3	8/25/98	8/25/98	Y	5 28		8 27		GW06045TE	
52994 Q2	M-13	8	753196	2085085	1	8/17/98	NA	N	19 68		20 96		GW05977TE	DRY 7/8, DRY 8/17
5887 Q2	J-12	8	752234	2082531	1	8/31/98	8/31/98	Y	10 31		NA		GW06043TE	PUMP IN WELL NO TD
6186	K 9	7	749198	2083717	3	8/18/98	8/18/98	Y	10 10	13 83	13 87		GW05982TE	
6286	M-8	2	748143	2085725	1	7/8/98	7/8/98	N	27 56	36 86	36 85		GW05983TE	WELL BENT
6386	M-8	2	748145	2085753	1	7/14/98	7/14/98	Y	10 01	17 12	17 09		GW05984TE	
6486	M-7	1	747672	2085610	1	7/14/98	7/14/98	Y	8 92	11 45	11 41		GW05985TE	
6586-JULY	O-7	2	747881	2087501	1	7/28/98	7/28/98	Y	8 35				GW05986TE	PUMP IN WELL-NO TD
6586-AUG	O-7	2	747881	2087501	1	8/24/98	8/24/98	N	NA		NA		GW06053TE	WATER BELOW PUMP
70193 Q2	J 12	8	752688	2082674	1	7/14/98	7/14/98	N	10 71		41 55		GW05987TE	
70193DUP		8				7/14/98	7/14/98	N					GW05988TE	
70193RS		8				7/14/98	7/14/98	N					GW05989TE	
70393 Q2	J-12	8	752090	2082389	1	8/26/98	8/26/98	Y	9 65				GW05990TE	PUMP IN WELL NO TD
70393LR		8				8/26/98	8/26/98	Y					GW05991TE	
70493 Q2	J 12	8	752111	2082390	2	8/19/98	8/19/98	Y	8 95		48 01		GW05992TE	
7086	J 7	6	747491	2082003	1	7/28/98	7/28/98	Y	4 86	9 94	NA		GW05993TE	PUMP IN WELL NO TD
75992	N-10	9	750290	2086628	1	7/7/98	7/7/98	Y	7 91	14 02	14 03		GW05994TE	
76992	L 12	8	752561	2084500	2	7/8/98	7/8/98	N	10 27	14 40	14 38		GW05995TE	WENT DRY - NO U-ISO
B206989, Q2	L 13	8	753145	2084835	3	8/25/98	8/25/98	Y	21 60		24 32		GW06048TE	

ROCKY FLATS GROUNDWATER SAMPLING FIELD DATABASE														
SPRING SUMMER 1998														
MOST WELLS SAMPLED ON A SEMI-ANNUAL BASIS														
Well ID	Grid	Analyte Code	Northing	Easting	# of Visits	Date Purged	First Date Sampled	Full Suite (Y/N)	Depth To Water	Baseline Depth	Total Depth	Depth Diff	Sample ID#	Comments
P114389-JULY	I 10	7	750990	2081739	2	7/21/98	7/21/98	Y	7 34		17 79		GW06000TE	
P114389-AUG	I-10	7	750990	2081739	2	8/18/98	8/18/98	N	7 28		17 80		GW06055TE	
P209389	L 10	5	750864	2084130	2	8/31/98	8/31/98	Y	18 70	32 10	32 12		GW06002TE	
P313589	K-8	7	748510	2083547	2	7/21/98	7/21/98	Y	8 29	15 71	15 69		GW06009TE	
P314289	K-8	7	748216	2083280	3	7/21/98	7/21/98	N	12 46	16 71	16 72		GW06010TE	NO TDS (INSW)
891COLWEL Q2	L-8				1	NA	8/20/98	Y	NA		NA		GW06050TE	COLLECTION WELL
891COLGAL Q2	L-7				1	NA	8/20/98	Y	NA		NA		GW06051TE	COLLECTION WELL
SW13494 Q2	K-8				1	NA	8/19/98	Y	NA		NA		GW06049TE	SURFACE WATER SITE

Grey fill Wells sampled early in semi annual cycle
 Date purged Date well was purged
 First date sampled First date samples were collected from well ("DRY" if dry)
 Full suite Was full suite of analytical samples collected?
 Depth to water Measured depth to water ("DRY" if dry)
 Baseline depth Baseline total depth (as constructed)
 Total depth Measured total depth
 Depth diff Difference between baseline total depth and measured total depth
 Sample ID # Assigned RFETS sample number
 NA Not applicable
WELL NUMBER SUFFIXES.
 LR Lab replicate
 DUP Duplicate
 RS Equipment nense
 Q1 Well is sampled quarterly rather than semi-annually sample is for second quarter of the 2-quarter semester
 Q2 Well is sampled quarterly rather than semi-annually sample is for first quarter of the 2-quarter semester
 (Month) Well was sampled monthly for a several-month period month suffix designates to which month sample corresponds

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